

## DECLARATION AND POWER OF ATTORNEY

I, CHARLES W. BUCEY, declare that I am a citizen of the United States of America, residing at San Diego, California, and that I believe I am one of the original, first, and joint inventors together with TIMOTHY A. BOOTH, STEVEN W. CLAYTON AND ROBERT M. JONES of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### APPARATUS AND METHOD FOR TESTING A RECUPERATOR CORE FOR LEAKAGE

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Larry G. Cain, Patent Office Reg. No. 31,150, telephone (309) 675-4922, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Larry G. Cain, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Charles W. Bucey 12/11/2001  
CHARLES W. BUCEY Date

Post Office Address:

7339 Margerum Avenue  
San Diego, California 92120

## DECLARATION AND POWER OF ATTORNEY

I, TIMOTHY A. BOOTH, declare that I am a citizen of the United States of America, residing at Pekin, Illinois, and that I believe I am one of the original, first, and joint inventors together with CHARLES W. BUCEY, STEVEN W. CLAYTON AND ROBERT M. JONES of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### APPARATUS AND METHOD FOR TESTING A RECUPERATOR CORE FOR LEAKAGE

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Larry G. Cain, Patent Office Reg. No. 31,150, telephone (309) 675-4922, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Larry G. Cain, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

  
TIMOTHY A. BOOTH

12/13/01  
Date

Post Office Address:  
1506 S. Capitol Street  
Pekin, Illinois 61554

400335 121701

## DECLARATION AND POWER OF ATTORNEY

I, STEVEN W. CLAYTON, declare that I am a citizen of the United States of America, residing at Metamora, Illinois, and that I believe I am one of the original, first, and joint inventors together with CHARLES W. BUCEY, TIMOTHY A. BOOTH AND ROBERT M. JONES of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### APPARATUS AND METHOD FOR TESTING A RECUPERATOR CORE FOR LEAKAGE

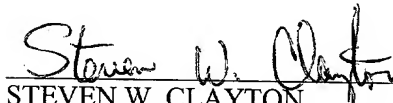
the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Larry G. Cain, Patent Office Reg. No. 31,150, telephone (309) 675-4922, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Larry G. Cain, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

  
STEVEN W. CLAYTON \_\_\_\_\_ Date  
Post Office Address:  
P. O. Box 25A  
R.R. #3  
Metamora, Illinois 61548

10033555 10033555

[illegible]

the specification of which is attached hereto.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date

1342 Independence Court  
Metamora, Illinois 61548